

Claims

1. Method for the production of a laminate (6) consisting of alternating layers of metal (7) and fibre-reinforced plastic bonding layers (8), comprising the following steps:
  - 5 - the provision of a forming jig (1) provided with at least one centring pin (4),
  - placing at least two metal layers (7) with a fibre-reinforced plastic bonding layer (8) between them on the forming jig (1), in which layers (7, 8) there is an opening (9) through which the centring pin (4) extends,
  - placing an aid (10) on the layers (7, 8) around the centring pin (4),
  - 10 - applying an evacuation medium (12) to the layers (7, 8) around the centring pin (4),
  - applying a vacuum film (13) on top of the layers (7, 8), the centring pin (4) and the aid (10),
  - applying and maintaining a reduced vacuum to the layers (7, 8) between the forming mould and the vacuum film (13),
  - 15 - making a hole in the vacuum film and the evacuation medium (12) at the location of the centring pin (4),
  - removing the centring pin (4) via the hole,
  - sealing the hole with sealing means (22),
  - placing the forming jig (1) with the layers (7, 8), the capping means (10) and the 20 blanket (11) in an autoclave,
  - activating the bonding layer (8) in the autoclave under the influence of heat and pressure,
  - removing the forming jig (1) with the bonded pack (6) from the autoclave.
- 25 2. Method according to Claim 1, comprising the use of an annular aid (10).
3. Method according to Claim 1 or 2, wherein the centring pin (4) and the aid (10) have less clearance than the centring pin (4) and the hole (9) through the layers (7, 8).
- 30 4. Method according to one of the preceding claims, comprising fixing the centring pin on the forming jig by means of a plug and socket joint.
5. Method according to one of the preceding claims, comprising the use of a blanket

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consisting of a breather layer (12) and an outer film layer (13).